TABLE I electrical properties of bilayer membranes formed from human red cell phospholipids to to 20 membranes were studied with each lipid preparation. Figures are given \pm S.E.

| | Lipid Prep. 1 | Lipid Prep. II |
|---|---------------|-----------------------------------|
| Conductance, $n\Omega^{-1}/\mathrm{cm}^2$ | 160 ± 30 | 79 ± 6 |
| Capacitance, $\mu F/cm^2$ | 0.54 ± 0.02 | $\texttt{0.56} \pm \texttt{0.01}$ |